SEQUENCE LISTING

<110> SUMITOMO PHARMACEUTICALS COMPANY, LIMITED
SAITO, Izumi
SAITO, Yumi

<120> DNA Containing Variant FRT Sequence

<130> 1422-0527P

<140> US 10/089,380
<141> 2002-03-29

<150> JP 11-280210
<151> 1999-09-30

<150> JP 11-346727
<151> 1999-12-06

<150> PCT/JP00/06686
<151> 2000-09-28

<160> 36

<210> 1
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<213> Saccharomyces cerevisiae

<400> 1
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<210> 2
<211> 34
<212> DNA
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<400> 2
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<210> 3
<211> 34
<212> DNA
<213> Saccharomyces cerevisiae

<400> 3
gaagttccta tactctccag agaataggaa cttc 34

<210> 4
<211> 34
<212> DNA
<213> Saccharomyces cerevisiae

<400> 4
gaagttccta tactatcttg agaataggaa cttc 34

<210> 5

<211> 34
<212> DNA
<213> Saccharomyces cerevisiae

<400> 5
gaagttccta tactttctgg agaataggaa cttc 34

<210> 6
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<400> 6
gaagttccta tactatttga agaataggaa cttc 34

<210> 7
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<212> DNA
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<400> 7
gaagttccta taccttgtga agaataggaa cttc 34

<210> 8
<211> 34
<212> DNA
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<400> 8
gaagttccta tactatctac agaataggaa cttc 34

<210> 9
<211> 34
<212> DNA
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<400> 9
gaagttccta tactgtctat agaataggaa cttc 34

<210> 10
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> The oligonucleotide is synthesized DNA adaptor.

<400> 10
agcttctgca gcagaccgtg catcatg 27

<210> 11
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> The oligonucleotide is synthesized DNA adaptor.

<400> 11
atgcacggtc tgctgcaga 19

<210> 12
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on wild type FRT sequence.

<400> 12
tcgaggacgt cgaagttcct atactttcta gagaatagga acttctccgg aa 52

<210> 13
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on wild type FRT sequence.

<400> 13
ctagttccgg agaagttcct attctctaga aagtatagga acttcgacgt cc 52

<210> 14
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 14
tcgaggacgt cgaagttcct atactatcta gagaatagga acttctccgg aa 52

<210> 15
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 15
tcgaggacgt cgaagttcct atactttctg gagaatagga acttctccgg aa 52

<210> 16
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 16

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<210> 17
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 17
tcgaggacgt cgaagttcct atactatttg aagaatagga acttctccgg aa 52

<210> 18
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 18
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<210> 19
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 19
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<210> 20
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 20
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<210> 21
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 21
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<210> 22
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 22
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<210> 23
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 23
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<210> 24
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 24
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<210> 25
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 25
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<210> 26
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 26
ctagttccgg agaagttcct attcttcaaa tagtatagga acttcgacgt cc 52

<210> 27
<211> 52

<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 27
ctagttccgg agaagttcct attctccaga gagtatagga acttcgacgt cc 52

<210> 28
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 28
ctagttccgg agaagttcct attctgtaga tagtatagga acttcgacgt cc 52

<210> 29
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 29
ctagttccgg agaagttcct attctctgga gagtatagga acttcgacgt cc 52

<210> 30
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 30
ctagttccgg agaagttcct attctcaaga tagtatagga acttcgacgt cc 52

<210> 31
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 31
ctagttccgg agaagttcct attctataga cagtatagga acttcgacgt cc 52

<210> 32
<211> 34
<212> DNA
<213> Artficial Sequence

<220>
<223> Designed oligonucleotide based on mutant FRT sequence.

<400> 32
gaagttccta tactttctac agaataggaa cttc 34

<210> 33
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide based on FLP recognition sequence.

<400> 33
aaattccgga gaagttccta ttctctagaa agtataggaa cttcgacgtc attt 54

<210> 34
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide as polylinker based on recognition sequences of SwaI, EcoRI, ScaI, KpnI and SmaI, in this order.

<400> 34
aaattgaatt cgagctcggt acccggg 27

<210> 35
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide as linker based on sequence encoding BglII recognition sequence, two stop codons, and XhoI recoginition sequence.

<400> 35
gatcttacta gtaggatc 18

<210> 36
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Designed oligonucleotide as linker based on sequence encoding BglII recognition sequence, two stop codons, and XhoI recoginition sequence.

<400> 36
tcgagatcct actagtaa 18